Subject: Re: analysis for TOF studies, fullsim crashes
Posted by Bernhard Roth on Wed, 12 Aug 2009 14:22:59 GMT
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Hi,

I'm now in revision 5813 and still running the macros from PandaRootTutTorino09 for fullsim of decay
p pbar -> phi phi pi0; phi -> K+ K- at 2 GeV

It finishes successfully on 10 and 100 events, but crashes on 1000 events in run_kalman_stt.C.
The error message in 4-kalman.log is:

Toggle Spoiler

#1 0x412078c0 in __DTOR_END__ () from /lib/libc.so.6
#2 0x41118442 in do_system () from /lib/libc.so.6
#3 0x41093c5f in system () from /lib/libpthread.so.0
#4 0x40237363 in TUnixSystem::Exec (this=0x80e2a78,
at core/unix/src/TUnixSystem.cxx:1941
#5 0x40237836 in TUnixSystem::StackTrace (this=0x80e2a78) at core/unix/src/TUnixSystem.cxx:2121
#6 0x402356f5 in TUnixSystem::DispatchSignals (this=0x80e2a78, sig=kSigFloatingException)
at core/unix/src/TUnixSystem.cxx:1089
#7 0x402336b4 in SigHandler (sig=kSigFloatingException) at core/unix/src/TUnixSystem.cxx:351
#8 0x4023a6d3 in sighandler (sig=8) at core/unix/src/TUnixSystem.cxx:3344
#9 0x41092825 in __pthread_sighandler () from /lib/libpthread.so.0
#10 <signal handler called>
#11 0x4601c2e3 in xmm55_ (a=0x46462e20, b=0x46462ee8, c=0x46462ee8) at matx55/xmm55.F:42
#12 0x460c310e in trprfn_ (x1=0x464341d8, p1=0x464341e4, h1=0x464341f0, x2=0x46434214, p2=0x46434220, h2=0x4643422c,
ch=0x46434250, xl=0x462b380c, r=0xbf9e3ef0, mvar=0xbf9e3ee8, iflag=0xbf9e3ee4, itran=0xbf9e3ee0, ierr=0xbf9e3edc)
at erpremc/trprfn.F:376
#13 0x460bcbda in erprop_ () at erdecks/erprop.F:62
#14 0x460bf33f in ertrch_ () at erdecks/ertrch.F:315
#15 0x460c0116 in ertrgo_ () at erdecks/ertrgo.F:236
#16 0x460bdda3 in ertrak_ (x1=0x9b145d8, p1=0x9b145e4, x2=0x9b1454c, p2=0x9b14558, ipa=0xbf9e4404, chopt=0xd00f2d8,
__g77_length_chopt=2) at erdecks/ertrak.F:211
#17 0x4617d44b in TGeant3::Ertrak (this=0xae7eec0, x1=0x9b145d8, p1=0x9b145e4, x2=0x9b1454c, p2=0x9b14558, ipa=6,
chopt=0xd00f2d8 "LE") at TGeant3/TGeant3.cxx:5392
#18 0x4511df1f in FairGeanePro::FindPCA (this=0x9b144c8, pca=2, PDGCode=13, point=
{<TObject> = {_vptr.TObject = 0x4324be08, fUniqueID = 0, fBits = 33554432, static fgDtorOnly = 0, static fgObjectStat = false, static fgIsA = 0x82b4838}, fX = 0, fY = 0, fZ = 0, static fgIsA = 0x8883f38},
wire1=

{<TObject> = {_vptr.TObject = 0x451352a8, fUniqueID = 0, fBits = 50331648, static fgDtorOnly = 0, static fgObjectStat = false, static fgIsA = 0x82b4838}, fX = 2.4562582328855371e-248, fY = 9.69071187023315
98e-262, fZ = 149.63770051287975, static fgIsA = 0x8883f38}, wire2=
{<TObject> = {_vptr.TObject = 0x4324be08, fUniqueID = 0, fBits = 33554432, static fgDtorOnly = 0, static fgObjectStat = false, static fgIsA = 0x82b4838}, fX = -24.684997098388671, fY = -19.100335878295898,
fZ = 79.9178, static fgIsA = 0x8883f38}, maxdistance=213.69470098481315, Rad=@0xbf9e4fe8, vpf=@0xbf9e53c0, vwi=@0xbf9e5350, Di=@0xbf9e4fe0,
trklength=@0xbf9e4fdc) at /d/panda02/broth/proot/5813/geane/FairGeanePro.cxx:553
#19 0x4438934d in GeaneTrackRep::extrapolateToLine (this=0xd901ef0, point1=@0xbf9e53f0, point2=@0xbf9e5390,
poca=@0xbf9e53c0, dirInPoca=@0xbf9e5310, poca_onwire=@0xbf9e5350)
at /d/panda02/broth/proot/5813/trackrep/GeaneTrackRep.cxx:343
#20 0x4432a738 in WirepointHitPolicy::detPlane (this=0xd9078e0, hit=0xd9075e0, rep=0xd901ef0)
at /d/panda02/broth/proot/5813/genfit/WirepointHitPolicy.cxx:91
#21 0x44a2996e in RecoHitIfc<WirepointHitPolicy>::getDetPlane (this=0xd9075e0, rep=0xd901ef0) at RecoHitIfc.h:65
#22 0x4430ca1c in Kalman::processHit (this=0xbf9e6500, hit=0xd9075e0, rep=0xd901ef0)
at /d/panda02/broth/proot/5813/genfit/Kalman.cxx:241
#23 0x4430bb18 in Kalman::fittingPass (this=0xbf9e6500, trk=0xd72f1f0, direction=1)
at /d/panda02/broth/proot/5813/genfit/Kalman.cxx:144
#24 0x4430b2b2 in Kalman::processTrack (this=0xbf9e6500, trk=0xd72f1f0)
at /d/panda02/broth/proot/5813/genfit/Kalman.cxx:36
#25 0x4509f3c5 in PndLheKalmanTask::Exec (this=0xb19c7d0, opt=0x43d53040 "")
at /d/panda02/broth/proot/5813/lhetrack/PndLheKalmanTask.cxx:247
#26 0x401b16af in TTask::ExecuteTasks (this=0x86c1a40, option=0x43d53040 "") at core/base/src/TTask.cxx:298
#27 0x401b14b1 in TTask::ExecuteTask (this=0x86c1a40, option=0x43d53040 "") at core/base/src/TTask.cxx:261
#28 0x43cdc46d in FairRunAna::Run (this=0x86c19b8, Ev_start=0, Ev_end=1000)
at /d/panda02/broth/proot/5813/base/FairRunAna.cxx:248
#29 0x43d1a746 in G__FairDict_532_0_5 (result7=0xbf9eda60, funcname=0x86bfa10 "\001", libp=0xbf9e7be0, hash=0)
at /d/panda02/broth/proot/5813/build/base/FairDict.cxx:9067
#30 0x407b6126 in Cint::G__ExceptionWrapper (funcp=0x43d1a642 <G__FairDict_532_0_5>, result7=0xbf9eda60,
funcname=0x86bfa10 "\001", libp=0xbf9e7be0, hash=0) at cint/cint/src/Api.cxx:364
#31 0x408757f5 in G__execute_call (result7=0xbf9eda60, libp=0xbf9e7be0, ifunc=0x86bfa10, ifn=0)
at cint/cint/src/newlink.cxx:2305
...

is in /d/panda02/broth/proot/5813/tutorials/analysis/data/4-kalman.log

But even if it runs fine, the tuples of PndChargedCandidates are all empty (in cases of running over 10 or 100 events).

Bernhard